Testing and analysis: In vitro toxicity with focus on hepatotoxicity and immunotoxicity

Aimed at:

➢ Research scientists in nanomaterial development (including nanomedical applications)
➢ Manufactures/registrants of nanomaterials (including nanomedical applications)

In vitro testing services:

➢ Immune/inflammatory cell function tests
➢ Liver toxicity tests
➢ Phenotyping and quantitative analyses
➢ Ex vivo analyses of e.g. cytokine profiles and various cell functions (innate and adaptive immunity)
➢ Low-molecular weight compounds, Biopharmaceuticals, Nanomaterials

Regulations:

ECHA Appendix R8-17 and R7-1, ICHS8, EU/ECVAM GIVIMPEU/ECHA RAAF, OECD/GLP

Selected technologies:

➢ Flow cytometry: FACSCanto II
➢ Multiparameter-bead analysis: Bio-Plex 200 (Luminex)
➢ Western blotting: ChemiDoc MP, TransBlot Turbo transfer syst.
➢ High content imaging: Image Xpress Micro
➢ Fully automated robotics: Tecan Freedom Evo
➢ PCR: C100, qPCR/TaqMan: CFS96 Touch,
➢ Pyrosequencing: PyroMark Q24
➢ Plate-readers: Flexstation 3, Infinite M200 PRO (Nano-drop)

Who we are:

Extensive background experience of:

➢ Development and use of cell models for toxicity testing and risk assessment
➢ Use of AOP-based mechanism testing in hepato- and immunotoxicity
➢ Toxicology project leadership
➢ Study monitoring and outsourcing
➢ Preclinical pharmaceutical risk/safety assessment
➢ Chemical/nano risk/safety assessment

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